

**Amendments to the Claims:**

The listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1. (currently amended) An intraocular lens

~~characterised in having a configuration such that, in each the environment of an~~ immersion medium it ~~refracts~~ environment, an incoming wave with an elliptically oblongly curved wave front is refracted into an outgoing wave with a substantially spherical wave front.

2. (currently amended) An intraocular lens according to claim 1,

~~characterised by wherein the lens has~~ a positive refractive power in the environment of immersion medium and a negative spherical aberration.

3. (currently amended) An intraocular lens according to claim 2,

~~characterised by wherein the lens has~~ a refractive power at the ~~entre~~ center of the lens which in the environment of immersion medium is greater than or equal to +3 dpt, and wherein the lens is so ~~designed~~ configured that, in ~~the an air~~ environment of air it ~~refracts~~, an incoming wave with a substantially plane wave front is refracted into an outgoing wave with a hyperbolic wave front.

4. (currently amended) An intraocular lens according to claim 3,

~~characterized in that wherein~~ the hyperbolic wave front has an asphericity of less than or equal to -5.

5. (currently amended) An intraocular lens according to ~~one of claims~~ claim 3. and 4.

~~charaetised in that the intraocular wherein the~~ lens has at least one convexly curved surface whose curvature has an asphericity of less than or equal to -1.

6. (currently amended) An intraocular lens according to claim 1,

~~characterised by wherein the lens has a refractive power at the centre center of the lens which in the environment of immersion medium environment~~ is at most +2 dpt and at least -1 dpt, and wherein the lens is so ~~designed configured~~ that an incoming wave with a substantially plane wave front is refracted into an outgoing wave whose apex surface has a meridian with an inflexion point.

7. (currently amended) An intraocular lens according to claim 1,  
~~characterized by wherein the lens has~~ a refractive power at the ~~centre~~  
~~center~~ of the lens which in the ~~environment of~~ immersion medium ~~environment~~  
is less than or equal to -2 dpt, and wherein the lens is so ~~designed~~ configured  
that an incoming wave with a substantially plane wave front is refracted into an  
outgoing wave with an elliptically oblongly curved wave front whose asphericity  
measured in air is greater than + 10.

8. (currently amended) A method of determining ~~the~~ imaging properties  
of an intraocular lens, comprising ~~the steps:~~  

- producing a parallel light beam,
- orienting the light beam on to the intraocular lens,
- breaking the light beam refracted by the intraocular lens down into a  
plurality of focused beams ~~by means of~~ via a lens arrangement, and
- detecting ~~the~~ local distribution of the focus beams focused by ~~means of~~  
the lens arrangement.

9. (new) An intraocular lens according to claim 5, wherein the hyperbolic  
wave front has an asphericity of less than or equal to -5.